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23413 7590 06/01/2010

**CANTOR COLBURN, LLP**  
20 Church Street  
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Dianna Briggs	(Depositor's name)
<i>Dianna Briggs</i>	(Signature)
August 10, 2010	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10708251	02/19/2004	Richard E. Pingree Jr.	ATI-0022	2250

**TITLE OF INVENTION:** METHOD AND SYSTEM FOR DETECTION OF SOLID MATERIALS IN A PLASMA USING AN ELECTROMAGNETIC CIRCUIT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/01/2010
EXAMINER	ART UNIT	CLASS-SUBCLASS		08/11/2010	S2EWD1E2 00000020 19708251	
AKRAM, IMRAN	1795	436-146000		01 FC:1581		1510.00 OP 300.00 CP

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  
 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
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2. For printing on the patent front page:  1584  
(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  
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1. CANTOR COLBURN, LLP  
2. \_\_\_\_\_  
3. \_\_\_\_\_

**3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)**

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

**AXCELIS TECHNOLOGIES, INC.**

**Beverly, Massachusetts**

Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

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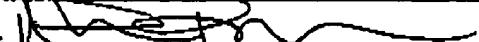
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a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.  
 b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

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Authorized Signature 

Date August 10, 2010

Typed or printed name Leah M. Reimer, Ph.D.

Registration No. 39,341

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